

الجامعة الإسلامية العالمية
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA
يُؤْتِيهِمُ اللَّهُ مِنْ فَضْلِهِ
وَيُؤْتِيهِمُ اللَّهُ مِنْ فَضْلِهِ

CONFIDENTIAL

RESEARCH MANAGEMENT CENTRE

Innovation and Commercialization Office
Tel: 03-6196 5005 / 5022 Fax: 03-6196 4862

**COPYRIGHT DISCLOSURE
FORM**

Kindly disclose your invention through this IP Disclosure Form for IP Protection and Registration.

PART 1: IDENTIFICATION

1. Principal Inventor Identification

NAME OF PRINCIPAL INVENTOR	Associate Professor Dr M. Zainora Asmawi
IC / PASSPORT NO.	700103-10-5188
DEPARTMENT / KULLIAH	Department of Urban and Regional Planning, Kulliyah of Architecture and Environmental Design, International Islamic University Malaysia
CORRESPONDENCE ADDRESS	Department of Urban and Regional Planning, Kulliyah of Architecture and Environmental Design, International Islamic University Malaysia, Jln Gombak, 53100
EMAIL	Zainora@iium.edu.my
TELEPHONE NO.	012-2286131



Please state the details of the inventor / originator and any of the co-inventor(s) in **Attachment 1**.

Intellectual Property	Sub Type
<input type="checkbox"/> Copyright	<input type="checkbox"/> Literary <input type="checkbox"/> Musical <input type="checkbox"/> Artistic
	<input type="checkbox"/> Film <input type="checkbox"/> Sound <input type="checkbox"/> Others

PART 2: DESCRIPTION OF DISCLOSURE

1. Title of disclosure

MODEL ANALISIS TAHAP KAWASAN SENSITIF ALAM SEKITAR DI NEGERI JOHOR

A MODEL OF LEVEL OF ENVIRONMENTAL SENSITIVE AREAS IN JOHOR

2. Brief Description of the Disclosure

This work highlights an analysis model concerning the level of environmental sensitive areas (ESA) in Johor, which could be classified into three levels. This exercise formulated a more detailed criteria following numerous sectoral ESAs. Each of the criteria holds its specific condition which they are then turned into a weightage matrix and spatial GIS mapping. These products are dedicated for the state of Johor, indicating the level of ESAs of the its natural resources.

3. Objective of the Disclosure

1. To analyse the availability of different natural resources in Johor.
2. To systematically produce a GIS analysis model for spatial mapping of the level of environmental sensitive areas in Johor.

4. Please attach the document below

☐

Detail backgrounds, description, and the document file.

☐

The originality report by plagiarism software (TurnItIn) for manuscript (A must for Copyright Disclosure - only originality report with green range (1-24%) will be considered)

☐

Please attach form CR-1, filling up the form Applicant, Section A, Section B, Section C. Please fill up multiple Section C if there is more than 1 author for the copyright

PART 3: SOURCE OF RESEARCH PROJECT(S) RESULTING TO THIS DISCLOSURE

1. Funded Project

Fund Type	Project Code	Start / End	Fund Amount	Fund Allocation of IP
NIL				

2. Obligation to Funded Project

Do you have any obligation to the funded project eg. Disclosure of IP, commercial grant of rights (option/license) ?

☐

Yes

☐

No

Please specify any obligation to the funder

NIL _____

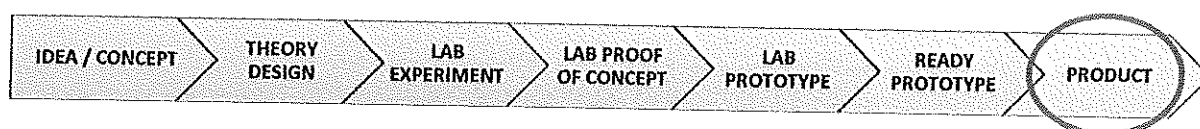
3. Project Cost Estimation

Please estimate the cost leading to the invention (please refer to Attachment 6 for the sample data)

Travel and Transportation				
Rentals				
Research Materials Supplies				
Modifications and Repairs				
Special Services				
Equipment and Accessories				
Total				

PART 5: COMMERCIAL POTENTIAL

1. Please circle the stage of the disclosure



2. Can this invention be exploited for commercialization directly, or does it need further development?

It is adequate to understand the scenario of the flood susceptibility for Sg Pahang river basin. However, should there be more relevant data available, it could generate more accurate flood susceptibility plan for Sg Pahang river basin.

3. If there is commercial potential, please do initial competitor analysis as per Attachment 3.

☐

Attachment 3 Initial Competitor Analysis

4. Please state if there is any inquiry on the Invention from the Industry.

☐

Yes

☒

No

If yes, please specify and state name of the interested party.

NIL _____

PART 6: DECLARATION AND RECOMMENDATION

DECLARATION	
<input style="width: 50px; height: 30px; border: 1px solid black;" type="checkbox"/> /	I have discussed this intellectual property with the Head of Research representative for my Kulliyah
<input style="width: 50px; height: 30px; border: 1px solid black;" type="checkbox"/>	I have discussed the content of this intellectual property disclosure and obtained consent for its submission with my co-inventor/s and co-contributor/s
<input style="width: 50px; height: 30px; border: 1px solid black;" type="checkbox"/> /	I understand that the assignment of the Intellectual Property Right to International Islamic University shall follow IIUM Policies and Guidelines for Intellectual Property Rights and Commercialization
<input style="width: 50px; height: 30px; border: 1px solid black;" type="checkbox"/> /	I promise to work with RMC / assigned expert / agents to complete the full registration of my intellectual property
<div style="display: flex; justify-content: space-between;"> <div> <p style="margin: 0;">Signature of Principle Inventor</p> </div> <div> <p style="margin: 0;">Date authority</p> </div> </div>	<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div> <p style="margin: 0; font-size: small;">ASSOC. PROF. Tpr Dr M. Zainora Asmawi DEPUTY DEAN (POSTGRADUATE) Kulliyah of Architecture and Environmental Design International Islamic University Malaysia</p> </div> <div style="text-align: right;"> <p style="font-size: large; margin: 0;">8/3/18</p> </div> </div>
RECOMMENDATION OF THE DEPARTMENT	
<div style="display: flex; justify-content: space-between;"> <div> <p style="margin: 0; font-size: small;">ASSOC. PROF. DR. AZILA AHMAD SARRAWI HEAD OF DEPARTMENT Department of Urban and Regional Planning Signature and name of the approver Kulliyah of Architecture and Environmental Design</p> </div> <div style="text-align: right;"> <p style="font-size: large; margin: 0;">8.3.2018</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div>Signature and name of the approving</div> <div>Date authority</div> </div>	<p style="margin: 0; font-size: small;">Date authority</p>
RECOMMENDATION OF THE KULLIYAH	
<div style="display: flex; justify-content: space-between;"> <div> <p style="margin: 0; font-size: small;">PROF. Ar. Mr. ABDUL HAZAK SAPDIN DEAN Kulliyah of Architecture and Environmental Design International Islamic University Malaysia</p> </div> <div style="text-align: right;"> <p style="font-size: large; margin: 0;">26.3.18</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div>Signature and name of the approving</div> <div>Date authority</div> </div>	<p style="margin: 0; font-size: small;">Date authority</p>

Attachment 1: List of Inventors and Co-Inventors

Name	Department / Kulliyah	Type	No of Man Hour Spent	Contribution %	IC / Passport No.	Address	Tel No
M.Zainora Asmawi	URP/KAED	<ul style="list-style-type: none"> •KAED •Assoc Prof TPr Dr (DS 54) 	50 man-hours	100%	7000103-10-5188	Department of Urban and Regional Planning, Kulliyah of Architecture and Environmental Design, International Islamic University Malaysia, Jln Gombak, 53100	012-2286131
Total				100%			

Attachment 3: Competitor Analysis

Only for Invention that has potential commercialization

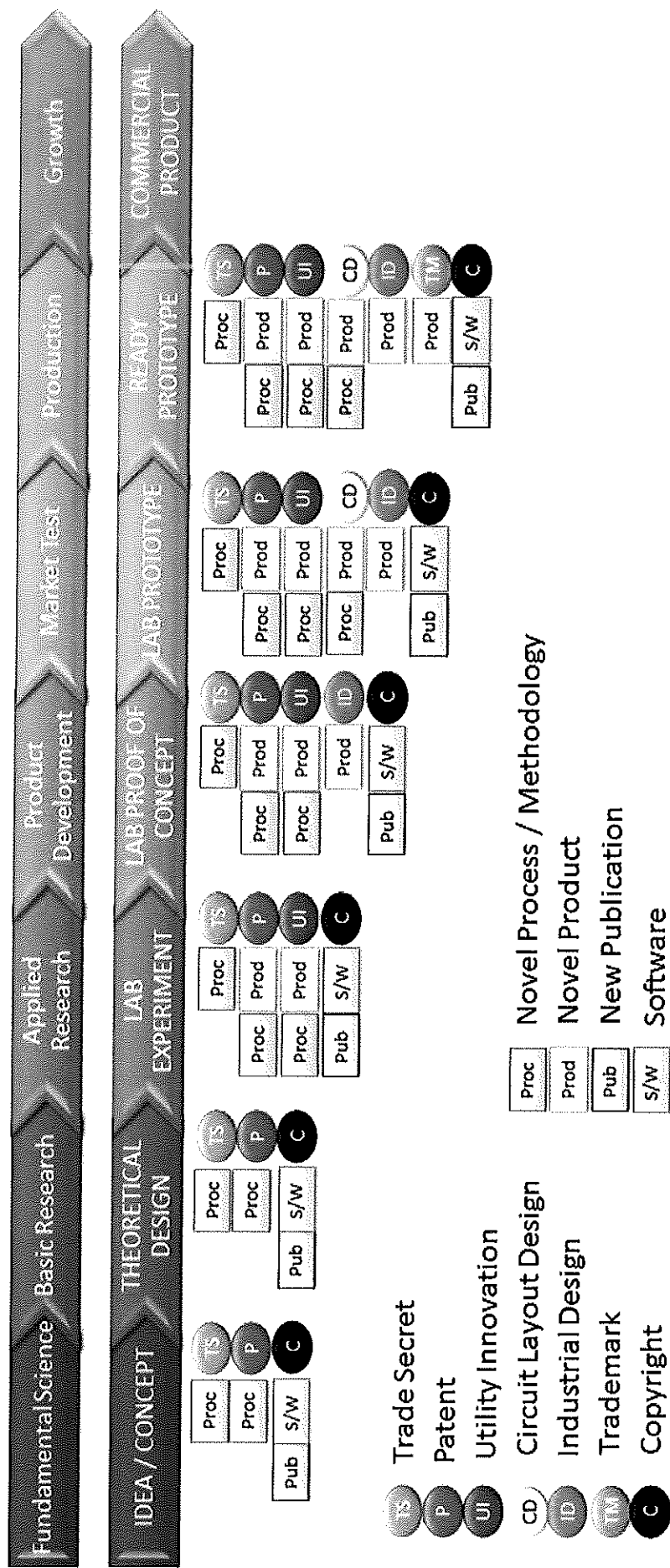
Product Name	Manufacturer / Producer	Model	Competitor Price	Product attributes	Comparison to the disclosed IP

Attachment 4: Definition of IPR

Type of IPR	Definition	Duration of Protection	Notes
Copyright	Copyright is the exclusive right to control creative works created by the author, copyright owner and performer for a specific period governed under the Copyright Act 1987.	Literary, Musical or Artistic Works Generally, - 50 years after the death. Film, Sound Recordings and Performer 50 years from the work was published Broadcasts 50 from the which the broadcasts was first made.	WORKS ELIGIBLE FOR COPYRIGHT <ul style="list-style-type: none">• literary works;• musical works;• artistic works;• films;• sound recordings;• broadcasts; and• derivative works

Attachment 5: IIUM Guideline for Intellectual Property Disclosure at various stage of R&D&C&I

Please note that the graphical diagram is only a guideline of the stage to disclose Intellectual Property at IIUM. Actual disclosures and filing of intellectual properties can occur at any of the stage



Technology Readiness Level

TRL		Description
1	Ideation	Basic Principles are observed and reported
2.	Innovation begins	Basic principles observed so practical applications can be formulated
3.	Proof of Concept	Analytical and laboratory studies are required to see if the technology is viable
4.	Component Test	Laboratory testing of the prototype component
5.	Prototype construction	Laboratory testing of the integrated system
6.	Alpha Testing	Prototype system demonstrated in an operational environment
7	Beta Testing	Completed design tested in real environment
8.	Certification	Proven to work under its expected conditions and certified to be used
9	System Proven to be successfully function	Ready for commercial deployment
9+	Product is launched commercially	

TPM Definition of TRL

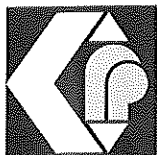
<https://www.youtube.com/watch?v=in4TnQZGYj4>

Attachment 6: Sample Cost Estimation

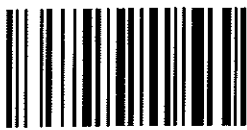
Project Cost Estimation

Please estimate the cost leading to the invention (*please use the example below*)

Vote	Items Details	Estimated Cost (RM)	Source of Fund	Notes
V11000 Wages				
V21000 Travel and Transportation				
V24000 Rentals				
V26000 Research Materials and Supplies				
V28000 Modifications and Repairs				
V29000 Special Services				
V35000 Equipment and Accessories				
Total				



INTELLECTUAL PROPERTY CORPORATION OF MALAYSIA
An agency under the Ministry of Domestic Trade, Co-Operatives and Consumerism
COPYRIGHT ACT 1987
NOTIFICATION OF WORKS
[subregulation 5(2) and 5(3)]



CR - 1

Application No :

Applicant :

☐ Owner ☒ Author ☐ Licensee

Title of work : KERANGKA MODEL ALAM SEKITAR UNTUK MENGURUS KAWASAN SENSITIF ALAM SEKITAR (KSAS) SECARA
(Original language) BERSEPADU DI NEGERI JOHOR

Translation : A MODEL FRAMEWORK FOR INTEGRATED ENVIRONMENT SENSITIVE SREAS (ESA) IN JOHOR

Transliteration :

Name of the Language : MALAY
(*Language that been used in the work)

If published in a periodical :
or serial (Literary Work) : (Volume / Number) (Issue Date) (On Pages)

Section A : Category of Works

☒ Literary ☐ Musical ☐ Artistic ☐ Film ☐ Sound Recording

Date of Fixation / First Published / Erected / Incorporated : 1 / 3 / 2017

Section B : Publication

The Work is : ☐ Published ☒ Unpublished

If published : (Year of Compilation) (Date of first publication) (Country)

Section C : Author (If author is "same as owner" go to Part D - if more than one author, please attach a list of names and addresses of all the author)

Name : M.ZAINORA ASMAWI

National Identification No. : 700103 10 5188
/ Passport No.

Address 1 : INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

Address 2 : DEPARTMENT OF URBAN AND REGIONAL PLANNING, KULLIYAH OF ARCHITECTURE AND ENVIRONMENTAL DESIGN, IIUM

Address 3 :

Postcode : 53100 City : GOMBAK Nationality : MALAYSIAN

State : SELANGOR Country : MALAYSIA

Telephone No. : +60 12-228 6131 E-mail : zainora@lium.edu.my *Date of Death: / /

Fax No. : 03 61964864

* Please state whichever applicable

Section D : Owner (If more than one owner, please use the attachment)☐ Please tick (✓) if Owner is same as Author

*Name : _____

*National Identification No. : _____
/ Passport No.

*Company Name : _____

*Company Registration No. : _____

Address 1 : _____

Address 2 : _____

Address 3 : _____

Postcode : _____ City : _____ Nationality : _____

State : _____ Country : _____

Telephone No. : _____ E-mail : _____ Fax No. : _____

Section E : Licensee (Section D must be fill in)

*Name : _____

*National Identification No. : _____
/ Passport No.

*Company Name : _____

*Company Registration No. : _____

Address 1 : _____

Address 2 : _____

Address 3 : _____

Postcode : _____ City : _____ Nationality : _____

State : _____ Country : _____

Telephone No. : _____ E-mail : _____ Fax No. : _____

Date of Agreement : ____/____/____

Period of Agreement : ____/____/____ until ____/____/____

*Please provide copy of agreement(s)*** Please state whichever applicable*

Section F : Contact Person

Name : _____

National Identification No. : _____
/ Passport No.

*Company Name : _____

*Company Registration No. : _____

Address 1 : _____

Address 2 : _____

Address 3 : _____

Postcode : _____ City : _____ Nationality : _____

State : _____ Country : _____

Telephone No. : _____ E-mail : _____ Fax No. : _____

Section G : Declaration

I hereby granted my works to be viewed by public for research and educational purpose : ☒ Yes ☐ No

☒ Author of the work

☐ Owner of the copyright in the work

☐ Licensee of copyright the work (Please provide adequate related document(s))

Signature,

(.....)

Name :

Date (dd/mm/yy) :

Section H : Official Use

☐ Payment Received

Acknowledged by,

(.....)

Officer's Name :

Date (dd/mm/yy) :

** Please state whichever applicable*

All correspondence should be addressed to :

Copyright Division,
Intellectual Property Corporation of Malaysia (MyIPO)
Unit 1-7 & Mezzanine, Aras 12-19
Tower B, Menara UOA Bangsar,
No. 5 Jalan Bangsar Utama 1,
59000 Kuala Lumpur.

Telephone : +603 - 2299 8400
Fax : +603 - 2299 8989
Website : <http://www.myipo.gov.my>
E-Mail : infocopyright@myipo.gov.my

TITLE: MODEL ANALISIS TAHAP KAWASAN SENSITIF ALAM SEKITAR DI NEGERI JOHOR

PRINCIPAL RESEARCHER: M.ZAINORA ASMAWI (IIUM) (700103-10-5188)

TYPE OF COPYRIGHT : ANALYSIS MODELING

Kawasan Sensitif Alam Sekitar (KSAS) bersepadu terbahagi kepada KSAS warisan, KSAS risiko bencana dan KSAS sokongan hidup yang menggabungkan beberapa jenis KSAS sektoral (rujuk **Rajah 5.26.1**, **Rajah 5.26.2** dan **Rajah 5.26.3**). Pembentukan KSAS bersepadu ini boleh dibahagikan kepada tiga (3) tahap sensitif yang menggambarkan daya penerimaan terhadap perubahan persekitaran (rujuk **Jadual 5.26.1**). Dalam konteks Negeri Johor, kepesatan pembangunan ini memberi kesan terhadap KSAS; di mana perubahan guna tanah bersifat perbandaran dan pertanian telah mengambil alih KSAS. Keadaan ini memerlukan suatu mekanisme perancangan dan pengurusan persekitaran yang efektif untuk kelestarian KSAS di Negeri Johor. Secara spatial, taburan kawasan KSAS yang utama terletak di utara dan timur Negeri Johor (*hinterland*); di mana kawasan ini tidak sesuai untuk pembangunan dan perlu dilindungi sebagai zon pemuliharaan semulajadi (rujuk **Rajah 5.26.4**).

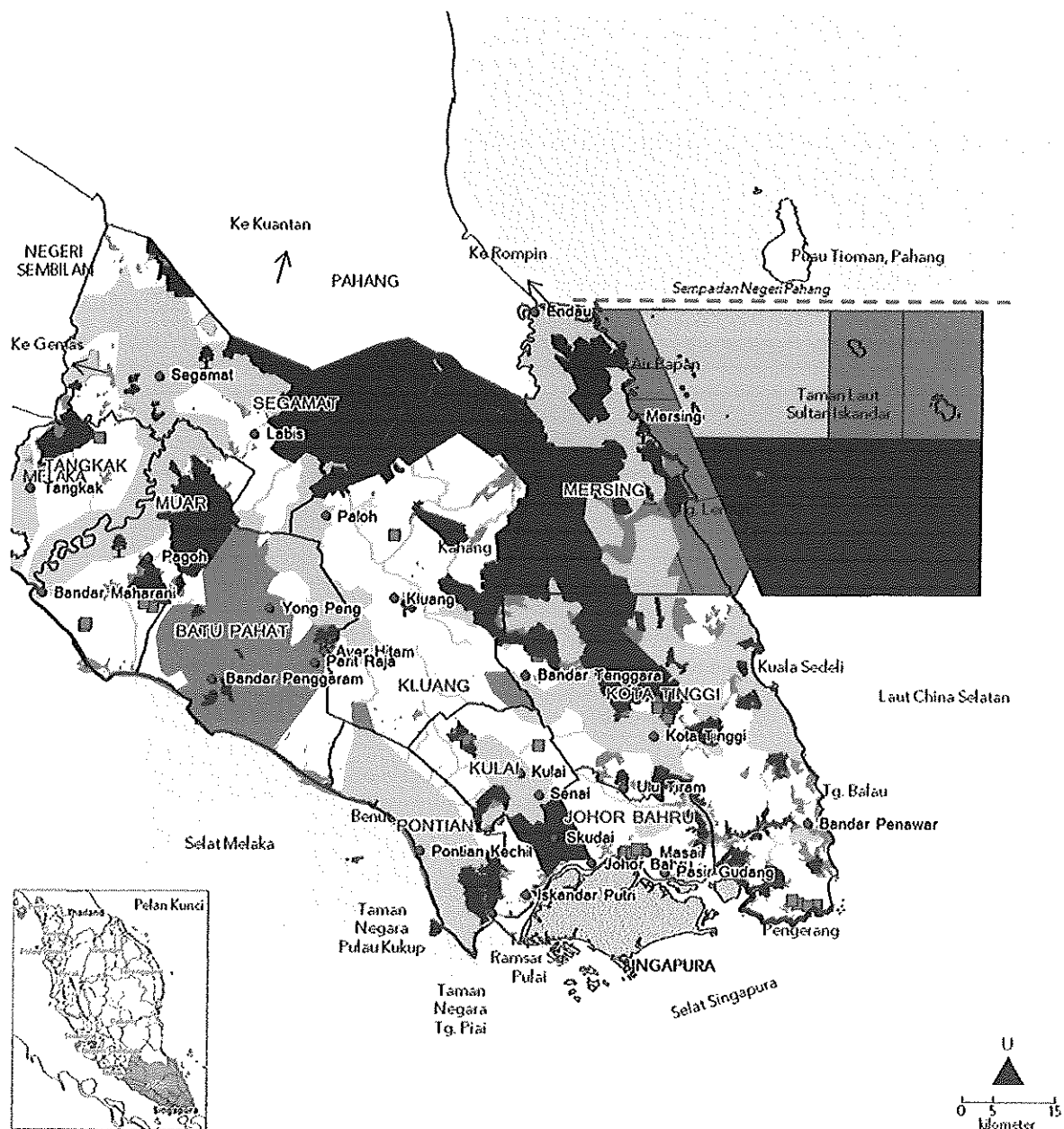
Jadual 5.26.1

Taburan Kawasan Sensitif Alam Sekitar (KSAS) Mengikut Tahap Sensitif

KSAS Sektoral Mengikut Tahap Sensitiviti			
KSAS sektoral	Tahap 1 (tahap sensitif tinggi)	Tahap 2 (tahap sensitif sederhana)	Tahap 3 (tahap sensitif rendah)
Perhutanan	Hutan Simpan Kekal (HSK), Taman Negara, rezab perlindungan hidupan liar, dan tapak Ramsar	Kawasan Berkepentingan Burung (IBA) dan Hutan Negeri	Kawasan berhutan (di luar status HSK)
Taman Laut Sultan Iskandar	Mukim Pulau Sibul dan Mukim Pulau Tinggi	Mukim Pulau Aur & Mukim Pulau Pemanggil	Mukim Pulau Babi Besar
Koridor CFS	Koridor PL1 dan PL3	Koridor SL5	Koridor SL4
Tapak geologi dan tapak sejarah	Tiada yang memenuhi kriteria	Tapak Mersing Geopark	Tiada yang memenuhi kriteria
Dataran banjir	Dataran banjir (penduduk berkepadatan tinggi)	Dataran banjir (penduduk berkepadatan sederhana)	Dataran banjir (penduduk berkepadatan rendah)
Empangan air	Dalam kawasan tadahan air	5 km dalam lingkungan kawasan tadahan air	10 km dalam lingkungan kawasan tadahan air
Sistem saliran sungai utama dan sekunder	Hulu sungai	Sungai di bahagian pertengahan	Hilir sungai
Sumber air bawah tanah	Sumber air bawah tanah (kesesuaian kualiti air tinggi)	Sumber air bawah tanah (kesesuaian kualiti air sederhana)	Sumber air bawah tanah (kesesuaian kualiti air rendah)
Mukabumi	Pergunungan > 1,000 meter	Kawasan tanah tinggi (300-1,000 meter)	Tanah bukit (300-150 meter)
Kawasan persisiran pantai	Hakisan pantai tahap 1	Hakisan pantai tahap 2	Hakisan pantai tahap 3
Galian dan logam industri	Galian dan logam industri (penduduk berkepadatan tinggi)	Galian dan logam industri (penduduk berkepadatan sederhana)	Galian dan logam industri (penduduk berkepadatan rendah)

KSAS Sektoral Mengikut Tahap Sensitiviti

KSAS sektoral	Tahap 1 (tahap sensitif tinggi)	Tahap 2 (tahap sensitif sederhana)	Tahap 3 (tahap sensitif rendah)
Makanan asas (Taman Kekal Pengeluaran Makanan - TKPM)	TKPM (> 60 hektar)	TKPM (30 - 60 hektar)	TKPM (0 - 30 hektar)
Makanan asas (Zon Industri Akuakultur - ZIA)	ZIA (> 60 hektar)	ZIA (30 - 60 hektar)	ZIA (0 - 30 hektar)



Rajah 5.26.4

Tahap Kawasan Sensitif Alam Sekitar (KSAS)



Petunjuk

- KSAS Tahap 1
- KSAS Tahap 2
- KSAS Tahap 3
- Luar Tahap KSAS

- Bandar Utama
- Sempadan Daerah

RSN Johor-level of ESA

by Zainora Asmawi

Submission date: 06-Mar-2018 12:02PM (UTC+0800)

Submission ID: 925869519

File name: projek_RSN_Johor-tahap_KSAS.docx (711.25K)

Word count: 439

Character count: 2764

RSN Johor-level of ESA

ORIGINALITY REPORT

0%

SIMILARITY INDEX

0%

INTERNET SOURCES

0%

PUBLICATIONS

%

STUDENT PAPERS

PRIMARY SOURCES

Exclude quotes On

Exclude bibliography On

Exclude matches < 2 words